

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-261941
 (43)Date of publication of application : 12.10.1993

(51)Int.Cl. B41J 2/21
 B41J 2/05
 H04N 1/034
 H04N 1/23

(21)Application number : 04-061799
 (22)Date of filing : 18.03.1992

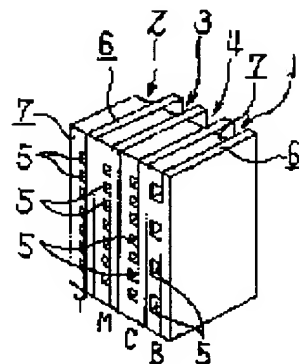
(71)Applicant : RICOH CO LTD
 (72)Inventor : SEKIYA TAKURO
 UMEZAWA NOBUHIKO

(54) INK JET RECORDING METHOD AND INK JET RECORDING HEAD

(57)Abstract:

PURPOSE: To print black characters to be thick and clear, and provide a document with modulation when a document, in which a color image and black characters are mixed, is printed by making the picture element diameter of a black ink larger than the picture element diameters of other color inks.

CONSTITUTION: For an ink jet recording head, the size of an orifice 5 of a black head 1 is formed to be larger than the size of the orifice 5 of color heads 2-4. In addition, the arrangement density of the orifice 5 of the color heads 2-4 is formed to be denser than the arrangement density of the orifice 5 of the black head 1. An ink drop 20 of the black ink discharged by the orifice 5 becomes larger, and the picture element diameter of the black ink becomes larger than the picture element diameters of the inks for color (yellow ink, magenta ink, cyan ink).



LEGAL STATUS

[Date of request for examination] 23.04.1997

[Date of sending the examiner's decision of rejection] 07.09.1999

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection] 11-15830

[Date of requesting appeal against examiner's decision of rejection] 04.10.1999

[Date of extinction of right]